

Storm Data and Unusual Weather Phenomena

October 2003

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

NEW MEXICO Southeast

Eddy County 16 NW Carlsbad	05	1330MST			0	0	0	0	Hail(0.75)
An isolated severe thunderstorm produced large hail at an oil rig facility northwest of Carlsbad.									
Eddy County Artesia	09	1800MST 2300MST			0	0	0	0	Flash Flood
Occasional thunderstorms and heavy rainfall affected parts of southeast New Mexico during the first week of October. Flash flooding began during the evening hours of the 9th, although no rain fell across the area that day. The local newspaper and officials reported State Highway 229, also called Haldeman Road, was inundated by over three feet of running water in the city of Artesia. This water flowed down Eagle draw, and resulted from run-off in the Sacramento Mountains which are located approximately sixty miles west of Artesia.									

TEXAS West

Gaines County 6 S Seminole	05	1815CST			0	0	0	0	Hail(0.75)
Reported on Highway 385.									
Winkler County Kermit to 18 ENE Kermit	05	1825CST 1912CST			0	0	20K	0	Hail(2.50)
A severe thunderstorm developed in the vicinity of Kermit. Hail to the size of pennies was reported on the south side of the city. The storm intensified as it moved east-northeast along Highway 302. A westbound motorist traveling in a recently purchased vehicle encountered tennis ball size hail ten miles east-northeast of Kermit. In an effort to escape the hail, the motorist turned around and headed east towards the Notrees community in western Ector County. Given slow travel in hazardous driving conditions and the storm's motion along the highway, the motorist continued to experience golfball to tennis ball size hail for the duration of the retreat to Notrees. The vehicle was totaled by the large hail.									
Reeves County Toyah	05	1835CST 1845CST			0	0	0	0	Hail(0.88)
Nickel size hail covered the ground.									
Andrews County Andrews	05	1840CST			0	0	0	0	Hail(1.75)
Hail ranging in size from peas to golfballs fell across the southeast side of the city.									
Ector County Notrees	05	1912CST 1915CST			0	0	0	0	Hail(1.75)
Midland County Midland	05	1949CST 2023CST			0	0	0	0	Hail(1.75)
Large hail ranging in size from pennies to golfballs fell across the north side of Midland. The largest hail was observed in the area along Loop 250 between Midkiff and Midland Drive. No damage was reported.									
Midland County Midland	05	2020CST			0	0	15K	0	Thunderstorm Wind (EG52)
Severe wind gusts were estimated in the northwest parts of the city. These winds overturned shopping cart collection structures in the Wal-Mart parking lot. The structures fell onto and damaged several vehicles.									
Ector County Odessa	05	2026CST			0	0	100K	0	Thunderstorm Wind (EG70)
Severe thunderstorm winds estimated between 70 and 80 MPH were reported in and around the city of Odessa. Several structures received roof damage. A peak gust of 66 MPH was recorded by the ASOS at Schlemeyer Airport, where minor damage also occurred. No injuries were reported.									
Midland County 4 SSW (Maf) Midland Intl Aprt 10 S Midland Aprt	05	2047CST 2107CST			0	0	0	0	Hail(1.00)
Numerous reports of large hail up to the size of quarters were received by Ham radio spotters along Farm to Market Road 1788 south of Interstate 20.									

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Midland County 8 S (Maf) Midland Intl to 10 S (Maf) Midland Intl	05	2047CST 2107CST			0	0	5K	0	Thunderstorm Wind (EG61)
Two reports of severe thunderstorm winds were reported along Farm to Market Road 1788 south of Interstate 20. A carport was destroyed six miles south of the interstate.									
Ector County Odessa to 5 ENE Odessa	05	2048CST 2230CST			0	0	30K	0	Flash Flood
Flash flooding on streets in the city of Odessa stranded several motorists. The fire department conducted three water rescues to extract victims from the flood waters. High water was reported to have entered several buildings, with significant flooding reported at an apartment complex. In addition, flash flooding resulted in high water covering the Interstate 20 service road at the Midland and Ector County line. Both lanes were closed due to the flood waters. No injuries were reported.									
Midland County 15 WSW Midland	05	2107CST 2230CST			0	0	0	0	Flash Flood
Flash flooding resulted in high water covering the Interstate 20 service road at the Midland and Ector County line. Both lanes were closed due to the flood waters.									
Dawson County 6 NNE Arvana	05	2127CST			0	0	0	0	Hail(0.88)
Nickel size hail covered the ground along Highway 87.									
Mitchell County Loraine	06	0005CST			0	0	0	0	Hail(0.75)
Mitchell County 2.5 ESE Loraine to 4.5 SE Loraine	06	0017CST 0021CST	3	75	0	0	0	0	Tornado (F0)
Several rural residents observed a tornado southeast of Loraine as it was illuminated by near continuous lightning. Witnesses described the tornado as cone shaped, and indicated that vegetation was lofted into the the air in the tornado's debris cloud. The tornado was observed for at least four minutes in open rangeland, and no damage was reported.									
An active round of severe weather affected the Permian Basin during the evening of the 5th and the early morning hours of the 6th. An upper level disturbance interacted with a cold front to ignite thunderstorms that resulted in all mo des of severe weather. Storms initially formed across the northwest parts of the Basin, with one of the first storms to show supercellular characteristics resulting in damaging hail between Kermit and Notrees.									
A supercell storm also developed in western Martin County, and propagated south into Midland County. This storm resulted in large hail and severe winds in Midland. Meanwhile, a large cluster of severe storms moved east across Ector County. These storm systems merged over eastern Ector and western Midland Counties, evolving into a large high precipitation supercell. Strong rear flank downdraft winds raked the city of Odessa on the storm's southern flank. Radar detected a strong low level circulation just west of the Midland International Airport, but storm spotters and post-event surveys found no evidence of a tornado. As the storm propagated southeast, damaging rear flank downdraft winds destroyed a carport along Farm to Market Road 1788 in western Midland County.									
In addition, a broken line of strong to severe thunderstorms developed within proximity to the frontal boundary over the northeast Permian Basin. Area warning radars detected a well-defined coma-head type circulation on the northeast part of the line. This circulation strengthened as it moved southeast into northern Mitchell County. Several rural residents observed a tornado southeast of Loraine.									
Mitchell County Loraine	06	1337CST			0	0	0	0	Hail(0.75)
An isolated severe thunderstorm developed along an outflow boundary and affected the city of Loraine in northeast Mitchell County. Local officials at the City Hall reported large hail.									
Pecos County South Portion	08	1734CST 1930CST			0	0	0	0	Flash Flood
Local authorities reported high water flowing across several highways in southern Pecos County as a result of flash flooding. U.S. Highways 67, 385, and 285 were all inundated by high water. A motorist driving through high water covering Highway 285 approximately 19 miles southeast of Fort Stockton was almost swept off the road as the flowing flood waters moved her vehicle.									
TXZ075	Pecos 08 09	2000CST 0700CST			0	0	15K	0	Flood

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Rural roadways and rangeland across eastern Pecos County were flooded by heavy rains late on the 8th, and remained inundated through early morning on the 9th. Oil tank battery locations near Iraan were flooded. The Pecos River flooded and resulted in high water which approached Highway 349 near Sheffield. In addition, Four Mile Draw flooded and covered Highway 349 four miles north of Sheffield.									
Reagan County Big Lake	08	2020CST 2200CST			0	0	0 0	Flash Flood	
Flash flooding resulted in the intersection of Highways 67 and 137 being closed due to high water.									
Terrell County 39 NNE Dryden	09	0240CST 0700CST			0	0	25K 0	Flash Flood	
A stretch of Farm to Market Road 2400 approximately 500 feet long was washed out near that highway's intersection with Highway 349.									
A broad area of moderate to occasionally heavy rainfall moved across the Trans Pecos region on the 8th as a strong upper level low remained stationary over northwest Mexico, and subtropical moisture from a dissipating Pacific tropical cyclone streamed across the area. Convective development increased within the rain shield during the late afternoon. Heavy thunderstorm rains on top of saturated soils resulted in flash flooding across southern Pecos County. An isolated strong thunderstorm developed along the southern edge of the precipitation shield over northern Terrell County. This storm moved very slowly to the northeast, and resulted in significant flood damage to rural roads and highways. Flooding persisted across the eastern parts of Pecos County during the overnight hours.									
Brewster County 16 E Marathon to 16 E Alpine	10	0600CST 0800CST			0	0	0 0	Flash Flood	
U.S. Highway 90 was inundated by high water.									
Pecos County Fort Stockton	10	1701CST 1830CST			0	0	0 0	Flash Flood	
Local authorities reported flash flooding resulting in one foot of flowing water in some city streets in Fort Stockton.									
Pecos County 5 SE Ft Stockton	10	1705CST 2000CST			0	0	0 0	Flash Flood	
U.S. Highway 285 was inundated by high water southeast of Fort Stockton.									
Pecos County 6 S Ft Stockton	10	1705CST 1930CST			0	0	0 0	Flash Flood	
U.S. Highway 385 was inundated by high water.									
A modified tropical airmass persisted over West Texas for several days, and resulted in periods of thunderstorms that produced heavy rainfall and flash flooding.									